

IN THE CLAIMS

Please cancel claims 1-20 without prejudice or disclaimer.

Please add the following new claims:

21. (New) A method for making a one component heat curable epoxy resin system, comprising the step of mixing together components (A), (B), (C), and (E):
- (A) an epoxy resin or compound containing more than one epoxy group;
  - (B) an amine solidifying system present in insufficient quantities to cause gelation after the amino hydrogen atoms are consumed by epoxy groups, under the reaction conditions chosen for (A) and (B);
  - (C) a hardener system for (A) and the reaction product of (A) and (B), wherein (C) is different from (B); and
  - (E) an expanding agent;
- wherein (A) and (B) react to completion at room temperature in the presence of (C) and (E), and
- wherein the reaction between (A) and (B) does not cause (C) or (E) to substantially react.
22. (New) A method according to claim 21, wherein the mixing of the composition is carried out batchwise or continuously.

23. (New) A method according to claim 21, wherein the mixed composition and the shape and size of container ensure that the excess heat generated does not increase the temperature of the composition to a point to cause (C) or (E) to substantially react.

24. (New) A method according to claim 21, wherein the mixing step is carried out in the resin system's final container.

25. (New) A method according to claim 21, wherein the partially solidified mixture is heated to speed completion provided the temperature chosen or the temperature reached due to the completion of the solidification reaction does not cause (C) or (E) to substantially react.

26. (New) A method according to claim 21, wherein the majority of the epoxy groups are present as glycidyl ether, glycidyl amine, glycidyl ester, cycloaliphatic and other epoxy resins.

27. (New) A method according to claim 21, wherein the epoxy group containing compounds individually or as mixtures are free flowing liquids at 80 °C or below.

28. (New) A method according to claim 21, wherein the solidifying agents are

*3/18/03*  
mainly aromatic, cycloaliphatic or dicyclic primary amines, secondary amines or mixtures thereof, and optionally acid accelerators.

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*A* 29. (New) A method according to claim 21, wherein the majority of the

solidifying amine groups originates from at least difunctional amines.

30. (New) A method according to claim 21, wherein hardener system (C) is

selected from aromatic amines such as 4,4'-diaminodiphenyl sulphone, boron trifluoride amine complexes, latent imidazoles, carboxylic acids, hydrazides, dicyandiamide, latent epoxy amine adducts and substituted ureas.

31. (New) A method according to claim 21, wherein expanding agent (E) is an

agent generating gases by chemical decomposition or by boiling of liquids or expansion of gases contained within expandable shells.

32. (New) A one component heat curable epoxy resin system, obtained by mixing together components (A), (B), (C), and (E):

(A) an epoxy resin or compound containing more than one epoxy group;

(B) an amine solidifying system present in insufficient quantities to cause gelation

after the amino hydrogen atoms are consumed by epoxy groups, under the reaction conditions chosen for (A) and (B);

(C) a hardener system for (A) and the reaction product of (A) and (B), wherein (C) is different from (B); and

(E) an expanding agent;

wherein (A) and (B) react to completion at room temperature in the presence of (C) and (E), and

wherein the reaction between (A) and (B) does not cause (C) or (E) to substantially react.

33. (New) A cured product obtained by heating a system according to claim 32.

34. (New) A method for making a one component heat curable epoxy resin system, comprising the step of mixing together components (A), (B), (C), and (E):

(A) an epoxy resin or compound containing more than one epoxy group;

AA (B) an amine solidifying system present in insufficient quantities to cause gelation after the amino hydrogen atoms are consumed by epoxy groups, under the reaction conditions chosen for (A) and (B);

(C) a latent hardener system for (A) and the reaction product of (A) and (B), wherein (C) is different from (B); and

(E) an expanding agent;

wherein (A) and (B) react to completion at room temperature in the presence of (C) and (E), and

wherein the reaction between (A) and (B) does not cause (E) to substantially react.